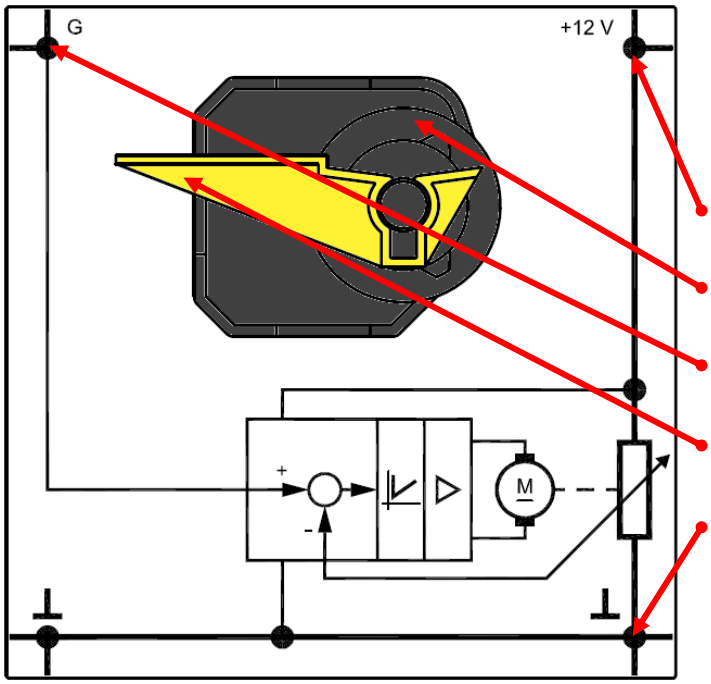
PHYSIK CHEMIE BIOLOGIE TECHNIK

LD DIDACTIC

10/14-W2010-Wei

Instruction Manual 582 640

Headlight level control motor, STE 4/100/100



(1) Positive supply voltage

(2) Actuator

(3) "Transmitter" input

(4) Needle

(5) Negative supply voltage

1 Description

The plug-in element is used with circuits built on the plug-in boards DIN A4 or DIN A3. This is an actuator to set the level of headlights.

Safety notes

- Only operate the device with an appropriate power supply.
- Make sure all connections are correct.
- Make sure the transmitter's voltage is correct!

2 Technical Data

- Input voltage: U_{in} = 12 – 13.8 V=
- Maximum current consumption: I_{max} = 150 mA
- Transmitter voltage: U_G = 2 – 12 V=

3 Startup

Link the ground connection **(5)** to the negative supply voltage and the voltage input **(1)** to the positive supply voltage.

Generate the transmitter voltage, e.g. with an STE *1 kΩ potentiometer* (577 92). Connect it to the transmitter input **(3)** and put the potentiometer in the middle position. Switch the voltage supply on.

The actuator **(2)** moves the yellow needle **(4)** and then stops.

Changing the potentiometer's setting can now move the actuator **(2)** forward or backward.

A ruler (not included in the scope of supply!) can serve to measure the stroke distance between the top of the device and the yellow needle **(4)**.

LD DIDACTIC GMBH · Leyboldstrasse 1 · D-50354 Huerth / Germany · Phone +49 (0)2233 604-0 · Fax +49 (0)2233 604-222 · e-mail: info@ld-didactic.de

© by LD Didactic GmbH

Printed in the Federal Republic of Germany
Technical alterations reserved